



Research Scientist – Lead Biostatistician

COLLEGE OF XX
SCHOOL/INSTITUTE OF XX

GRADE 8

Job Purpose

A Lead Biostatistician works independently, carrying out statistical programming, analyses, reporting, validation, consultancy and, where applicable, teaching.

Main Duties and Responsibilities

1. To make a leading contribution to the primary research objectives, supporting research projects to deliver optimal outcomes.
2. To work independently on assigned projects, being accountable for the delivery of statistical tasks [programming, writing analysis plans and reports, and contributing to manuscripts for publication].
3. To contribute to grant funding applications as statistical co-investigator, leading on their development from initial contact through to submission, to secure funding which makes a significant contribution to the Institute/College/University.
4. To take responsibility for the implementation of statistical validation processes, and carrying out validation of other biostatisticians' work, when required.
5. To supervise more junior statistical staff, and to plan and manage workloads within projects.
6. To carry out independent research, as required, to improve knowledge of statistical methods and statistical programming.
7. To act as statistical consultant, including meeting with and presenting results to external collaborators.
8. To contribute at a senior level to external project meetings, conferences, and scientific committees.
9. Where relevant, to deliver teaching courses and contribute to the creation of associated materials. Act as a co-supervisor for postgraduate research students as required.
10. To manage project timelines, in collaboration with senior staff.

11. To contribute to the development of the relevant Statistical SOPs. To be accountable for compliance with relevant Standard Operating Procedures [SOPs] and production of internal statistical documentation.
12. To participate in internal and external audits.
13. To take a leading role in collaborations with internal and external partners, with responsibility for the design and implementation of research projects.
14. To contribute at a senior level to the administrative management of the relevant research area
15. To advise and give direction to staff within other functional areas of the Institute/College/University.
16. Undertake any other reasonable duties as required by the Director of Institute/Head of School.
17. To contribute to the enhancement of the University's international profile in line with the University's Strategic Plan, [Inspiring People Changing The World](#).

Qualifications

- Postgraduate qualification [Scottish Credit and Qualification Framework level 11, [Masters Degree] or equivalent professional experience
- Broad knowledge of relevant statistics and statistical analysis methods
- Broad understanding of study design, appropriate to the relevant discipline or research project
- Extensive knowledge of appropriate guidelines applicable to the discipline.

Desirable

- An awarded PhD in statistics, statistics and mathematics or biostatistics.

Skills

Essential

- Clear statistical programming skills, including extensive IT and data analysis/interpretation skills.
- Excellent communication skills [oral and written], including public presentations [national and international] and ability to communicate complex and/or large volume data clearly and concisely to a varied audience, including non-statisticians.
- Excellent interpersonal skills including team working and a collegiate approach.
- Appropriate workload and prioritisation skills, including the ability to balance competing demands whilst sustaining and quality output.
- Significant experience of independence, structuring own workload and delivering high quality outputs within necessary timescales.

- Significant problem-solving skills including a creative, flexible and pragmatic approach

Desirable

- Statistical programming skills using SAS.

Experience

Essential

- Demonstrable experience in a similar senior biostatistician role, carrying out similar duties to a high standard.
- Demonstrable experience in validating other statisticians work, offering support, guidance, direction and feedback as necessary.
- Demonstrable experience of statistical programming, handling high volume, complex and sensitive data.
- Experience of contributing to overall research objectives, acting as co-investigator and creating research proposals and planning work.
- Experience of publishing in high-quality, high impact journals

Desirable

- Statistical grant-holder, or named clinical trial statistician